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U.S. Geological Survey
Water Resources Division
Facsimile Transmission Cover Sheet

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To: Name: Jared Manning

Organization:

Location:

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Jared,

Here's a copy of our Station Description for the gage at Beaver River at Adamsville, UT 10237000. The gage location is described in the "Establishment and History" paragraph.

Let me know if you need more information.

Brad

nternal Only

Station Description View

10237000 BEAVER RIVER AT ADAMSVILLE, UT

Responsible Office
U.S. Geological Survey
Cedar City Field Office
2390 West Hwy 56, Suite 8
Cedar City, UT 84720
(435) 586-4543

Most recent revision: 12/1/2011
Revised by: hchristl

LOCATION.--Lat 38°15'13", long 112°45'56" referenced to North American Datum of 1927, in NE 1/4 SW 1/4 SW 1/4 sec.28, T.29 S., R.8 W., Beaver County, UT, Hydrologic Unit 16030007, on northwest downstream wing wall of bridge in State Road 21, about 1.5 miles upstream from Minersville Reservoir, and 2.0 miles east of Adamsville.

To reach gage, travel east from Minersville on SR 21 about 10 miles. From Beaver, travel west about 8 miles on SR 21.

Gage is located on USGS 7 1/2-minute quad: Adamsville, UT.

DRAINAGE AREA.--303.00 mi^2.

ESTABLISHMENT AND HISTORY.--Established Dec. 16, 1913. Discontinued Oct. 6, 2003. Reestablished Aug. 27, 2010.

Dec. 16, 1913 to Sept. 14, 1936 water-stage recorder, and Sept. 15, 1936 to Oct. 15, 1937 non-recording gage, 300 ft downstream of bridge south of Adamsville. Oct. 16, 1937 to May 28, 1946 water-stage recorder 600 ft downstream of bridge south of Adamsville. May 29, 1946 to Mar. 19, 1970 water stage recorder 75 ft upstream of previous site. Punch tape digital recorder installed Jan. 10, 1969. Gage destroyed by flood May 28, 1979. Records prior to July 26, 1979 at various datum's. July 26, 1979 to Feb. 5, 1992 punch-tape digital and graphic water-stage recorders driven by a manometer attached to a bubble gage 50 ft upstream at same datum with orifice and staff about 6 ft shoreward of current pipe well on bridge wing wall. ADR punch-tape recorded replaced with Design Analysis DAH-510 electronic data logger March 29, 1999.

GAGE.----Design Analysis (DA) H500XL dcp, DA H522 GOES radio transmitter (15-minute record interval, 1-hour transmit interval) housed in a 16- by 24- by 24-inch steel shelter on the right bank at the downstream side of SR-21 bridge. Stage input from a DA H3611 radar stage sensor mounted on downstream SR-21 bridge beam. Equipment is powered by a 12-volt battery, charged by a 10W solar panel. Reference gage is an outside staff anchored to the concrete bridge abutment, A crest-stage gage is mounted on the downstream right wing wall of the bridge.

CONTROL.--The control is a poorly defined rock and gravel riffle about 25 ft downstream.

DISCHARGE MEASUREMENTS.--Low and medium flows are measured by wading in the vicinity of the gage. High stage measurements can be made from the SR 21 bridge, with appropriate safety precautions. There is considerable high speed truck traffic on the road.

FLOODS.--Most flooding is due to rapid snowmelt and subsequent runoff from the canyons of the Tushar Range to the east.

POINT OR GAGE HEIGHT OF ZERO FLOW.--2.30 ft at time of station levels Nov 17, 2011.

WINTER FLOW.--Ice affect possible durring winter months.

JUSTIFICATION.--To determine water inflow into Minersville Reservoir.

REFERENCE MARKS.--R.M. 1 is base R. M. and is a threaded stud on left bank upstream wing wall of SR 21 bridge. Elevation is 8.340 ft gage datum. Established June 30, 1980. R.M. 5 is a flat surface on top center of the right bank upstream wing wall. Elevation 14.816, established April 21, 1994. Elevation 14.818 ft at time of levels Nov 17, 2011. R.P. 1 is a flat surface on top center of the right downstream wing wall. Elevation 14.739. Elevation 14.734 ft at time of levels Nov 17, 2011. Top of 2x6 backing. Elevation shot at 10.338 ft at time of levels Aug 26, 2010. Elevation 10.338 ft at time of levels Nov 17, 2011.

DATE OF LAST LEVELS.--
Last run: Nov 17, 2011; Next run: Nov 16, 2012; Frequency: 1 years; Status: OPEN

No changes necessary.

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